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PROCEEDINGS
OF
The American Microscopical Society

MINUTES OF THE ANNUAL MEETING
HELD AT
WINONA LAKE, INDIANA, JULY 27, 28 AND 29, 1903

The twenty-sixth annual meeting was called to order at The Inn, Lake Winona Assembly Grounds, Warsaw, Indiana, at 10:40 A.M., Wednesday, July 27, 1903. President Birge presided.

The Secretary presented a brief, informal report on the printing of the annual volume, the condition of the membership, and on the addition of life members, with conditions attached thereto.

The report of the Treasurer was formally postponed till the close of the fiscal year, which was fixed for October 3, and Messrs. F. W. Kuehne and Rudolph Siemon were appointed auditors.

The report of the Custodian was read and Drs. J. S. Foote and B. E. Bush were appointed an auditing committee.

The Secretary reported for the Executive Committee that an invitation had been received from Professor Eigenmann to visit the laboratory of the University of Indiana Biological Station, and recommending its acceptance. On motion of Mr. J. C. Smith the same was accepted and the Society adjourned.

SECOND SESSION

The Society was called to order in the laboratory of the Biological Station, at 2 P.M., for the purpose of listening to the reading of papers, as follows:

Dr. V. A. Latham: Structure of the Dental Pulp, with Photographic Demonstrations; discussed by Dr. J. S. Foote.

Dr. J. S. Foote: The Tube Plan of Structure of the Animal Body; discussed by Dr. H. B. Ward and Professor E. A. Birge.

Dr. C. H. Eigenmann: Ontogenetic Degeneration of the Optical Organs of the Cuban Blind Fishes; discussed by several members briefly and informally, after which the Society adjourned.

THIRD SESSION

The Society convened in the auditorium at The Inn at 7 P.M., and listened first to an address of welcome by Dr. S. C. Dickey, President of the Winona Association, which was responded to by the President of the Society, Professor E. A. Birge. The latter then delivered his annual address on The Biological Significance of the Thermocline.

After a general discussion of the topic presented, the Society again adjourned, on invitation of the Winona Assembly board of managers to attend a lecture by Mr. Ernest Thompson Seton.

FOURTH SESSION

The Society was called to order at 10:30 A.M., Thursday, July 28, in the Biological Station laboratory, and the following papers were read:

Professor T. J. Burrill: River Pollution and Purification; discussed by Professors Birge, Caldwell, and others.

Mr. J. C. Smith: The Parasite of Yellow Fever; discussed by Professors E. A. Birge, H. B. Ward, and T. J. Burrill, and Dr. V. A. Latham.

Professor B. L. Seawell: Some Observations on the Plankton of a Small Lake under Storm-flood Conditions; discussed by Professors E. A. Birge, O. W. Caldwell, Charles Fordyce, and H. B. Ward.

A nominating committee, consisting of Professor T. J. Burrill, Dr. V. A. Latham, Professor H. B. Ward, Dr. J. S. Foote, and Mr. J. C. Smith, was unanimously elected. The Secretary reported the loss by death of Drs. M. L. Holbrook, B. W. James, J. C. Millen, O. C. Fox, regular members, and Dr. R. L. Maddox, honorary member, and was instructed to secure biographical sketches for the next volume. The Society adjourned at noon.

FIFTH SESSION

The members came together once more at 2:15 P.M., and the following papers were considered:

Professor R. H. Wolcott: Studies on the Lakes of the Sandhill Region of Nebraska; discussed by Professors Charles Fordyce, E. A. Birge, C. H. Eigenmann, and others.

Professor H. B. Ward: A Biological Reconnaissance of Some Elevated Lakes in the Sierras; discussed by many members, informally, during the examination of numerous photographs used to illustrate the paper.

Professors R. H. Wolcott and B. L. Seawell exhibited apparatus for collecting aquatic micro-organisms and the explanation of methods of handling the same, which led to a general discussion of the methods suggested, and of others used in collecting such material.

A report from the Executive Committee was read recommending that St. Louis be made the place of the mid-winter meeting, and on motion of Mr. J. C. Smith the report was adopted.

A further recommendation of the Executive Committee that Dr. F. E. Clements and Mrs. Clements be granted the sum of \$25 from the income of the Spencer-Tolles Fund to carry on certain investigations on the microscopical structure of xerophytic plants, was also adopted.

The following papers were read by title:

Mr. J. C. Smith: *Synchaeta bicornis*, a new Rotifer.

Professor M. J. Elrod: The Ricker Pump in Limnological Investigations.

Dr. D. C. Hilton: Preliminary Report on a Specimen of *Bothriocephalus latus*.

The Society then adjourned.

In the evening, Professor and Mrs. C. H. Eigenmann tendered a reception to the members at their summer home, which was beautifully decorated in honor of the Society. The occasion was most enjoyable and the guests lingered until a late hour in discussion. The presence of the staff from the Biological Station added to the enjoyment of the evening.

SIXTH SESSION

Friday, July 29, the entire day was occupied by an excursion to Turkey Lake, under the leadership of Professor Eigenmann. This afforded opportunities of examining other lakes *en route*, of collecting in them, and of enjoying a trip about Turkey Lake itself in a general survey of the biological conditions. On board the steamer, which was chartered by Professor Eigenmann for the exclusive use of the Society, a business session was held, during which the amendments to the Constitution, printed on pages 175 and 176 of Volume XXIV, were considered and adopted.

On recommendation of the nominating committee the following persons were unanimously elected to serve as officers for the ensuing year:

President, Professor T. J. Burrill, Urbana, Ill.

First Vice-President, Professor H. A. Weber, Columbus, O.

Second Vice-President, Dr. F. W. Kühne, Fort Wayne, Ind.

Assistant Secretary, Dr. R. H. Wolcott, University of Nebraska, Lincoln, Neb.

Elective members of Executive Committee: Mr. Chas. F. Cox, New York City; Mr. L. B. Elliott, Rochester, N. Y.; Professor J. M. Stedman, Columbia, Mo.

The thanks of the Society were voted to the retiring President, Professor Birge, to the directors of the Winona Assembly and of the Indiana University Biological Station, for many courtesies and privileges extended to the Society, and also to both Professor and Mrs. Eigenmann for their generous hospitality to those in attendance. The Society then adjourned subject to the call of the Executive Committee.

HENRY B. WARD,
Secretary.

MID-WINTER MEETING, ST. LOUIS, MO., DECEMBER
28 AND 29, 1903

Pursuant to the call of the Executive Committee the Society convened in Room 109 of the Central High School, St. Louis, Mo., Tuesday, December 28, 1903, at 9 A.M. By the courtesy of the Local Committee an adjoining room was also set aside and furnished for social purposes while a supply of microscopes and a projection lantern was provided for demonstrations.

Owing to the number of other meetings in progress at the same time, and to the small number of members who went to St. Louis, the sessions were very informal and somewhat irregular. The following papers were presented and discussed by members in general in connection with the microscopical demonstrations appertaining thereto. The work was of peculiar interest and importance and deserved a much larger audience than was assembled.

Dr. H. M. Whelpley: North American Flint Implements of Microscopical Interest (with demonstrations).

Professor F. L. Landacre: Fresh-water Protozoa of Ohio, with Bibliography.

Dr. G. C. Crandall: Plasmodium malariae (with demonstrations).

Dr. J. H. Stebbins: Haematozoa of the Turtle.

Dr. Henry B. Ward: Some Notes on the Morphology of Trypanosomes (with demonstrations).

Dr. Carl Fisch: *Amoeba dysenteriae* (with demonstrations).

Dr. H. M. Whelpley: A Compound Microscope of 1750, and an Objective of Peculiar Construction.

Dr. H. M. Whelpley: Notes on Technic in Mounting and Demonstrating Microscopic Objects.

Dr. C. A. Snodgras (by invitation): A Municipal Microscopical Laboratory.

Miss G. A. Gillmore: Some Points in the Minute Structure of Heart Muscle.

Dr. H. M. Whelpley: Radium as an Element of Microscopical Interest Compared with the Fumes of Phosphorus, examined with a microscope by Leeuwenhoek in 1693 (with demonstration of radium under the microscope).

Dr. Charles E. Bessey: The Structure and Classification of the Protohyta with a Revision of the Families and a Rearrangement of the North American Genera.

Dr. T. J. Burrill: Aerial Disinfection.

At the business meeting Wednesday it was voted that until further action be taken the President and Secretary shall represent this Society on the Council of the American Association for the Advancement of Science. A cordial invitation, presented from the Buffalo Society of Natural Sciences, urging that the Society hold its regular meeting in Buffalo in August, 1904, was received and referred to the Executive Committee. The Secretary was instructed to express to the Buffalo Society the appreciation of this Society for the courtesy.

A vote of thanks was unanimously adopted for the courtesies received in St. Louis, especially from the general Local Committee for all affiliated societies, from the committee of the St. Louis Microscopical Society, and from the directors and boards of managers of the Missouri Botanic Garden and of the Louisiana Purchase Exposition.

Wednesday noon a luncheon was tendered to members of the Society and their wives by the St. Louis Microscopical Society, under the direction of a committee consisting of its President, Dr. G. C. Crandall, and Dr. H. M. Whelpley. The tables were beautifully decorated and all details were admirably carried out, so that the occasion was thoroughly enjoyed by all present. The Society recorded an appropriate vote of thanks to the gentlemen and to the St. Louis Microscopical Society for the generous hospitality.

HENRY B. WARD,
Secretary.

CUSTODIAN'S REPORT FOR YEAR ENDING JULY
23, 1903

SPENCER-TOLLES FUND

Reported at Pittsburgh Meeting.....	\$1419 24
Dividends received.....	110 63
Sale of Proceedings.....	53 04
Contributions	66 96
Life Membership	50 00
Invested	1699 87
Cash on hand.....	3 92
Total	<u>\$1703 79</u>
Increase during the year.....	284 55

Year	ANNUAL GROWTH	Increase	Total
1885			\$ 60 20
1886		\$ 25 00	85 20
1887		10 00	95 20
1888		52 66	147 86
1889		76 00	223 86
1890		30 00	253 86
1891		39 02	292 88
1892		19 12	312 00
1893		18 06	330 06
1894		19 32	349 38
1895		22 89	372 27
1896		50 77	423 04
1897		45 99	469 03
1898		86 43	555 46
1899		97 90	653 36
1900		102 65	756 01
1901		388 11	1144 12
1902		275 12	1419 24
1903		284 55	1703 79

CONTRIBUTORS TO SPENCER-TOLLES FUND GIVING \$50 OR
OVER (CONSTITUTION, ARTICLE VII)

John Aspinwall

Troy Scientific Association

Robert Brown

MAGNUS PFLAUM, *Custodian.*

WINONA LAKE, IND.

We, the undersigned, hereby certify that we have carefully examined the accounts of the Custodian as given in the foregoing report, compared the same with vouchers, and found the same to correspond and to be correct.

J. S. FOOTE,

B. E. BUSH,

Auditing Committee.

TREASURER'S REPORT

FROM NOVEMBER 24, 1902, TO FEBRUARY 30, 1904

DR.

To Membership dues, 1901.....	\$ 5 00	
To Membership dues, 1902.....	22 00	
To Membership dues, 1903.....	318 00	
To Membership dues, 1904.....	50 00	
To Membership dues, 1905.....	4 00	
To Membership dues, 1906.....	2 00	
To Membership dues, 1907.....	2 00	\$403 00
To Admission fees.....		57 00
To Subscribers, Vol. XXIII.....	\$ 4 00	
To Subscribers, Vol. XXIV.....	48 00	52 00
To Advertisers, Vol. XXIII.....	\$ 16 00	
To Advertisers, Vol. XXIV.....	84 00	100 00
To Volumes sold.....		28 15
		<u>\$640 15</u>

CR.

By Postage, Secretary.....	\$ 25 10	
By Postage, Treasurer.....	13 50	\$ 38 60
By Expressage, Secretary.....		42 98
By Stationery and Printing, Secretary.....	\$ 39 45	
By Stationery and Printing, Treasurer.....	2 75	42 20
By Typewriting, Secretary.....		24 70
By Sundries, Secretary.....		6 60
By Bank charges, Treasurer.....		1 95
By Balance on Vol. XXIII.....		17 00
By Plates for Vol. XXIV.....		25 67
By Printing Vol. XXIV.....		302 24
By Cash returned to Treasurer.....		88 09
By Balance on hand.....		50 12
		<u>\$640 15</u>

FT. WAYNE, IND., April 15, 1904.

We do hereby certify that we have examined the foregoing account and the vouchers submitted therewith, and have found the same true and correct.

F. W. KUHNE,
FRED. SIEMON,
Auditing Committee.